

Human Analytics Web Application

Description:

This project was given to Nathan Todd, Blake Brown, and Patrick Jirele by Marita Wallen and Western Colorado University's Division of Inclusivity. Our job was to create a web application that Marita could use for running an analysis of the demographics of the faculty at Western Colorado University. The website has admin abilities for Marita Wallen such as; accepting uploaded datasets, creating graphs and charts based on the current uploaded dataset, selecting past datasets, grouping the graphs and charts for easier analysis, and displaying selected graphs and charts on a dashboard for all users to see. This project's end goal was to streamline Marita's current work process as well as save Western's Division of Inclusivity money by providing this website to them.

Prerequisites:

This application uses code from many different modules. To name a few; flask, pandas, matplotlib, csv, numpy, os, etc. To run the code on your personal machine you will need to make sure your python interpreter has these modules installed. However, if you just want to access the website you will only need an internet connection.

Installation:

pip install flask, pip install os, etc. Pip is "preferred installation process", and this is how you the different python modules working on your machine. Make sure you have pip installed on your machine and then these commands should work correctly when run in your terminal.

```
PS C:\Users\pjfir\OneDrive\Desktop\Homework\CS 495\Test 2\Human-Analytics-Software-Web-Application> pip install numpy
Requirement already satisfied: numpy in c:\users\pjfir\appdata\local\programs\python\python312\lib\site-packages (1.26.4)
PS C:\Users\pjfir\OneDrive\Desktop\Homework\CS 495\Test 2\Human-Analytics-Software-Web-Application>
```

As shown above the requirement is already satisfied, however on a machine where numpy is not installed the necessary processes will happen to correctly install the desired module.

Contributing:

<https://github.com/PatrickJirele/Human-Analytics-Software-Web-Application>

Citation:

N. Todd, B. Brown, P. Jirele (2024) Human Analytics Web App. Western Colorado University. <https://nathantodd55.pythonanywhere.com/>

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